Radio Shack®

TRS-80® MODEL 16

TRSDOS™-16 DISK OPERATING SYSTEM

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TRSDOS-16

THE MODEL 16

DISK OPERATING SYSTEM

OWNER'S MANUAL

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INTRODUCTION

WHAT IS AN OPERATING SYSTEM?

An operating system is a low level program which monitors and controls your entire computer system.

This includes the Model 16's two microprocessors, as well as the disk drives, keyboard, printer, and all other equipment.

It is the operating system which enables you to use application programs (such as PAYROLL, PROFILE, and MAILING LIST II.)

WHAT IS TRSDOS-16?

TRSDOS-16 is one of the three operating systems you can use with your Model 16.

It uses both of the Model 16's microprocessors -- the Z8Ø and the MC68ØØØ. All Model 16 application programs are designed to run under TRSDOS-16.

If you've read the Operator's Manual, you know about the other two operating systems -- TRSDOS and TRSDOS-II. They use only the Z8Ø microprocessor and are for Model II mode programs.

ABOUT THIS MANUAL

This manual shows how you can use the TRSDOS-16 operating system to:

- write Model 16 programs
- store, retrieve or manipulate information on disk.

In the Operator's Read Me First Manual, we covered all the essential information to get you started. This means if you're not a programmer, you do not need to read this manual.

If you are a programmer, you'll find a lot of useful information in this manual:

SECTION I/ USING TRSDOS-16 describes how to start-up TRSDOS-16, what TRSDOS-16 Ready means, and some general information on how TRSDOS-16 works.

SECTION II/ TRSDOS-16 SYSTEM COMMANDS contains a number of commands you will find helpful.

SECTION III/ TECHNICAL INFORMATION explains how to use TRSDOS-16 on a technical level. Besides providing useful technical information, this section lists many TRSDOS-16 routines (called supervisor calls or SVCs) which you can call from your machine-language program.

SECTION IV/ THE APPENDICES contains more information, including memory maps, error messages, and codes useful in writing programs.

This manual describes TRSDOS-16 only. If you have a new Model 16 and need information on TRSDOS and TRSDOS-II (the Model II operating systems), see your Owner's Manual/Model II Mode.

If you have an Enhanced Model II, see the Model II Owner's Manual for information on TRSDOS and the Supplement to the Model II Owner's Manual for information on TRSDOS-II.

NOTATIONS

For clarity and brevity, we use some special notations and type styles in this book.

CAPITALS and punctuation
indicate material that you must enter exactly as it appears or material that you see on your Computer's video display.

<KEYBOARD CHARACTER>
indicates keys you press.

lowercase underlined
represent words, letters, characters or values.

H'nnnn
specifies nnnn as a hexadecimal (base 16) number. All other numbers in the text of this book are in decimal (base 1Ø) form, unless otherwise noted.

TERMS

Below is a listing of terms which we use frequently in this manual. The underlined words represent variable information which you must supply.

command — represents the TRSDOS-16 command you want to execute.

comment — is an optional field used to document the purpose of the command line.

{options} — is a list of one or more parameters that may be needed by the command. Some commands have no options. The braces { } around options can usually be omitted if you don't use a comment at the end of the command line.

filespec — is a standard TRSDOS-16 file specification having the general form:
filename/ext.password:drive(disk name)

hard disk refers exclusively to a hard disk (Drives 4 - 7).

diskette refers exclusively to a floppy diskette (Drives Ø - 3).

disk refers to a disk that can be either a hard disk or a floppy diskette (Drives Ø - 7).

primary drive refers to the disk drive that contains the operating system information Drive Ø or 4).

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